QC ABSTRACT

NAME OF WORK: Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Coarse aggregate(40 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
3	Coarse aggregate(20 mm down size)	SIEVE ANALYSIS	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1
		Specific Gravity	One Test		1	1
		Bulk Density(Loose)	One Test		1	1
		Bulk Density(Compacted)	One Test		1	1
		Water Absorption	One Test		1	1
		Aggregate crushing Value	One Test		1	1
		Aggregate Impact Value	One Test		1	1
4	Fine aggregate	SIEVE ANALYSIS	One Test		1	1
		Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
5	Steel	Bend test	One Test		1	1
		Tensile Test	One Test		1	1
		Yield Test	One Test		1	1
		ReBend test	One Test		1	1
12	Precast (200mm)	Core Compressive Strength	One Test		1	1
		Corrected Cylinder Compressive Strength	One Test		1	1
		Equivalent Cube Compressive Strength	One Test		1	1
14	PCC(M15)	Compressive Strength(7days & 28days)	6 set /100-150cum	113.9	12	12
15	RMC(M20)	Compressive Strength(7days & 28days)	2 set /6-15 cum	12	4	4
16	Cement Concrete Pavemet (M30)	Compressive Strength(7days & 28days)	16 set /600-700 cum	633.57	32	32

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division
Bruhat Bangalore Mahanagara Palike

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TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-04-23-24** **Date: 28-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP,
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 (Part 1,2 3,4,5, 6,11):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	25-02-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	Fineness by dry sieving (%)	1.71	–
2	Finess by Air permeablity method (m^2/kg,Min)	282.3	225m^2/kg, Min
3	Density (gm/cc)	3.15	–
4	Standard Consistency (%)	29.5%	Not specified
5	Initial Setting time	140minutes	Not less than 30 minutes
6	Final Setting time	255 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	2.0mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Customer/Representative

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Technical Manager

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Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike.

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 53 Grade

Lab ID	:	**CP-2022-04-23-24** **Date: 25-03-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-22
Sample Type	:	Birla Super 53grade
Reference to BIS codes	:	IS 12269 : 2013, 53 Grade Ordinary Portland cement Specification , IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	25-02-22
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 12269: 2013
1	3 Days	29.5N/mm^2	Not less than 27 N/mm^2
2	7 Days	39.0N/mm^2	Not less than 37 N/mm^2
2	28 Days	55.0N/mm^2	Not less than 53 N/mm^2

* The results obtained are satisfactory as per standard requirements.

Note:

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-04-23-24** **Date: 28-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample condition	:	Satisfactory
Date of Receipt	:	24-02-22
Sample Type	:	40mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-02-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 40MM DOWN COARSE AGGREGATE:

Total weight taken : 15000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	80 mm	0	0	0.0	100	100
2	40 mm	389	389	2.6	97.4	90-100
3	20 mm	7789	8178	54.5	45.5	30-70
4	10 mm	4799	12977	86.5	13.5	10-35
5	4.75 mm	1555	14532	96.9	3.1	0-5
6	Pan	468	15000	100.0	0	---

Sweetha . N R
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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2022-04-23-24 **Date: 28-02-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.7	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.9	
3	Specific Gravity	2.68	_
4	Bulk Density(Loose) (Kg/l)	1.38	_
5	Bulk Density(Compacted) (Kg/l)	1.45	_
6	Water Absorption(%)	0.21	_

* The results obtained are satisfactory as per standard requirements.

Note:

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All information furnished by Customer/Representative

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TEST REPORT ON COARSE AGGREGATES

Lab ID	:	**CP-2022-04-23-24** **Date: 26-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-22
Sample Type/ Size	:	20mm down size coarse aggregate
Reference to BIS codes	:	IS: 383:2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1,3,4) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption IS 2386 Part 4: Mechanical Properties
Date of test	:	24-02-22

SIEVE ANALYSIS (PARTICLE SIZE DISTRIBUTION) OF 20MM DOWN COARSE AGGREGATE:

Total weight taken : 5000 grams

Sample No.	Sieve No.	Weight Retained in gms	Cumulative Weight Retained in gms	% Cumulative Weight Retained	% Passing	Required as per IS 383:2016
1	40 mm	0	0	0	100	100
2	20 mm	229	229	4.6	95.4	90-100
3	10 mm	2388	2617	52.3	47.7	25-55
4	4.75 mm	2042	4659	93.2	6.8	0-10
5	Pan	341	5000	100	0	–

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TEST REPORT ON COARSE AGGREGATES

Lab ID : **CP-2022-04-23-24** **Date: 26-02-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	10.9	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	13.5	
3	Specific Gravity	2.65	–
4	Bulk Density(Loose) (Kg/l)	1.47	–
5	Bulk Density(Compacted) (Kg/l)	1.51	–
6	Water Absorption(%)	0.22	–
7	Aggregate crushing Value(%)	22.5	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface.
8	Aggregate Impact Value(%)	23.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface.

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Note:

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TEST REPORT OF FINE AGGREGATE

Lab ID	:	**CP-2022-04-23-24** **Date: 26-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-22
Sample Type	:	Fine Aggregate
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	24-02-22
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 383:2016			
						Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	18	18	1.8	98.2	90-100	90-100	90-100	95-100
3	2.36 mm	48	66	6.6	93.4	60-95	75-100	85-100	95-100
4	1.18 mm	255	321	32.1	67.9	30-70	55-90	75-100	90-100
5	600 micron	198	519	51.9	48.1	15-34	35-59	60-79	80-100
6	300 micron	201	720	72.0	28.0	5-20	8-30	12-40	15-50
7	150 micron	192	912	91.2	8.8	0-10	0-10	0-10	0-15
8	Pan	88	1000	100.0	0.0	---	---	---	---

Result :The tested Sample Conforms to Grading Zone II

Sunitha. NK
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TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2022-04-23-24** **Date: 26-02-22**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.54	–
2	Specific Gravity	2.55	–
3	Material finer than 75 micron(%)	8.9	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

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Technical Manager

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2022-04-23-24** **Date: 26-02-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-22
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2019.
Date of test	:	25-02-22

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.390	528	659	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.614	549	680	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.882	559	693	20.0%	Satisfactory	Satisfactory

* The results obtained are satisfactory as per standard requirements.

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Technical Manager

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TEST REPORT OF PRECAST COVER SLAB

Lab ID	:	**CP-2022-04-23-24** **Date: 02-03-22**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	24-02-22
Sample Type /Size	:	Precast Cover Slab
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete
Date of test	:	25/02/2022

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	200.52	250.49	3.852	31574	882.1	27.9	26.0	32.5
2	Cover Slab-2	200.51	250.49	3.844	31570	832.8	26.4	24.5	30.7
3	Cover Slab-3	200.49	250.52	3.826	31564	850.3	26.9	25.1	31.3

* The results obtained are satisfactory as per standard requirements.

Note:

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Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-04-23-24 **Date: 10/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	10/03/2022	151.69 X 151.81 X 149.56	23028	8.184	419.1	18.2	18.5
2	Drain Concrete	M20	03/03/2022	10/03/2022	150.50 X 150.69 X 149.68	22680	8.212	425.2	18.7	
3	Drain Concrete	M20	03/03/2022	10/03/2022	150.16 X 149.28 X 151.74	22415	9.056	413.6	18.4	

* The results obtained are satisfactory as per standard requirements.

Note:

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Technical Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 31/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	31/03/2022	151.40 X 151.06 X 151.02	22871	8.830	534.2	23.4	23.0
2	Drain Concrete	M20	03/03/2022	31/03/2022	150.39 X 151.69 X 151.21	22812	8.972	515.1	22.6	
3	Drain Concrete	M20	03/03/2022	31/03/2022	150.45 X 150.91 X 150.48	22704	8.823	524.2	23.1	

* The results obtained are satisfactory as per standard requirements.

Note:

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Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 10/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	10/03/2022	150.08 X 150.90 X 150.15	22647	8.771	417.7	18.4	18.4
2	Drain Concrete	M20	03/03/2022	10/03/2022	150.10 X 151.30 X 151.77	22710	8.875	419.5	18.5	
3	Drain Concrete	M20	03/03/2022	10/03/2022	150.80 X 150.88 X 150.60	22753	9.078	416.8	18.3	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-24** **Date: 31/03/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-03-22
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	31/03/2022	149.57 X 151.24 X 150.44	22620	8.389	532.1	23.5	22.9
2	Drain Concrete	M20	03/03/2022	31/03/2022	149.51 X 149.22 X 149.70	22309	8.863	491.5	22.0	
3	Drain Concrete	M20	03/03/2022	31/03/2022	149.99 X 149.63 X 150.23	22442	8.381	519.5	23.1	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-24** **Date: 10/03/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-03-22
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	10/03/2022	150.23 X 150.83 X 149.82	22660	8.312	416.8	18.4	18.2
2	Drain Concrete	M20	03/03/2022	10/03/2022	149.65 X 149.57 X 149.42	22383	8.764	403.9	18.0	
3	Drain Concrete	M20	03/03/2022	10/03/2022	151.40 X 149.64 X 151.55	22657	8.756	409.6	18.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-24** **Date: 31/03/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	05-03-22
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 28 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	31/03/2022	151.54 X 149.39 X 149.56	22639	8.840	528.6	23.3	23.1
2	Drain Concrete	M20	03/03/2022	31/03/2022	151.57 X 149.16 X 150.43	22609	8.279	504.1	22.3	
3	Drain Concrete	M20	03/03/2022	31/03/2022	149.12 X 149.25 X 150.22	22255	8.500	527.0	23.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 10/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	10/03/2022	151.57 X 149.30 X 151.89	22630	8.297	429.1	19.0	18.8
2	Drain Concrete	M20	03/03/2022	10/03/2022	151.24 X 151.28 X 151.97	22879	8.536	422.7	18.5	
3	Drain Concrete	M20	03/03/2022	10/03/2022	149.45 X 151.78 X 151.43	22684	8.168	428.7	18.9	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 31/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 05-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 31/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	03/03/2022	31/03/2022	150.31 X 151.29 X 150.41	22740	8.465	545.1	24.0	23.0
2	Drain Concrete	M20	03/03/2022	31/03/2022	151.67 X 149.17 X 150.37	22625	8.335	497.8	22.0	
3	Drain Concrete	M20	03/03/2022	31/03/2022	151.27 X 150.46 X 149.60	22759	8.960	523.8	23.0	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 12/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	05/03/2022	12/03/2022	151.28 X 150.22 X 150.40	22725	8.922	420.1	18.5	18.5
2	Drain Concrete	M20	05/03/2022	12/03/2022	149.70 X 149.12 X 150.26	22323	8.397	409.8	18.4	
3	Drain Concrete	M20	05/03/2022	12/03/2022	149.93 X 151.72 X 149.49	22747	8.677	423.3	18.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 04/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	05/03/2022	02/04/2022	150.25 X 150.99 X 149.48	22686	8.473	535.9	23.6	23.1
2	Drain Concrete	M20	05/03/2022	02/04/2022	151.53 X 149.21 X 151.00	22609	9.071	506.4	22.4	
3	Drain Concrete	M20	05/03/2022	02/04/2022	151.94 X 151.51 X 151.56	23020	8.472	537.7	23.4	

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Technical Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 12/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 12/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	05/03/2022	12/03/2022	151.72 X 149.23 X 149.63	22640	8.174	429.1	19.0	18.6
2	Drain Concrete	M20	05/03/2022	12/03/2022	150.42 X 150.85 X 151.23	22692	8.121	415.4	18.3	
3	Drain Concrete	M20	05/03/2022	12/03/2022	150.16 X 150.22 X 150.26	22557	8.159	414.9	18.4	

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****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 04/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 07-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 02/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	05/03/2022	02/04/2022	151.97 X 149.42 X 151.24	22707	8.989	522.6	23.0	23.1
2	Drain Concrete	M20	05/03/2022	02/04/2022	151.77 X 151.95 X 151.77	23061	8.193	524.9	22.8	
3	Drain Concrete	M20	05/03/2022	02/04/2022	150.89 X 151.77 X 150.18	22900	8.805	541.5	23.6	

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Authorized Signatory
Technical Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 14/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	07/03/2022	14/03/2022	151.52 X 150.36 X 151.94	22782	9.029	422.2	18.5	18.4
2	Drain Concrete	M20	07/03/2022	14/03/2022	150.27 X 151.11 X 151.02	22707	8.153	410.5	18.1	
3	Drain Concrete	M20	07/03/2022	14/03/2022	149.41 X 150.14 X 149.79	22432	8.880	415.7	18.5	

* The results obtained are satisfactory as per standard requirements.

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Suresh. N.L
AE WD

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Authorized Signatory
Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 04/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	07/03/2022	04/04/2022	149.82 X 149.86 X 150.36	22452	8.277	517.5	23.1	23.1
2	Drain Concrete	M20	07/03/2022	04/04/2022	150.92 X 149.85 X 150.80	22614	8.187	519.5	23.0	
3	Drain Concrete	M20	07/03/2022	04/04/2022	151.78 X 149.24 X 151.02	22651	8.904	529.8	23.4	

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Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2022-04-23-24** **Date: 14/03/2022**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	09-03-22
Customer ID	:	Drain Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	14/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	07/03/2022	14/03/2022	149.90 X 151.80 X 150.96	22755	8.162	428.8	18.8	18.8
2	Drain Concrete	M20	07/03/2022	14/03/2022	151.89 X 150.33 X 149.94	22833	8.535	430.0	18.8	
3	Drain Concrete	M20	07/03/2022	14/03/2022	150.52 X 149.23 X 151.28	22462	8.224	420.6	18.7	

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R RUDRAPRASAD
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Technical Manager

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 04/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 09-03-22

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Concrete	M20	07/03/2022	04/04/2022	151.67 X 149.35 X 151.13	22652	9.072	522.5	23.1	23.0
2	Drain Concrete	M20	07/03/2022	04/04/2022	149.06 X 149.15 X 151.38	22232	8.431	498.0	22.4	
3	Drain Concrete	M20	07/03/2022	04/04/2022	149.70 X 151.58 X 149.39	22692	8.804	536.4	23.6	

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Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 19/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	150.09 X 149.29 X 149.27	22407	8.528	581.3	25.9	25.8
2	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	151.51 X 151.06 X 151.51	22886	8.633	617.3	27.0	
3	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	151.10 X 151.43 X 149.82	22882	8.419	557.3	24.4	

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Sunitha. N.L
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Technical Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-04-23-24 **Date: 09/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	149.99 X 151.90 X 150.46	22784	8.856	769.7	33.8	33.1
2	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	149.10 X 150.62 X 149.44	22458	8.829	723.8	32.2	
3	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	150.55 X 149.32 X 150.97	22480	8.713	747.3	33.2	

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Technical Manager

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 19/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	149.47 X 149.16 X 150.94	22294	8.930	573.6	25.7	25.8
2	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	150.11 X 149.58 X 150.55	22452	8.641	605.4	27.0	
3	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	151.05 X 151.11 X 151.43	22825	8.817	561.3	24.6	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 09/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	150.11 X 151.00 X 149.40	22667	9.072	761.5	33.6	32.9
2	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	149.04 X 150.62 X 150.55	22447	8.823	718.9	32.0	
3	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	151.21 X 149.90 X 149.94	22667	8.287	750.6	33.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 19/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	150.03 X 151.38 X 150.68	22712	8.920	580.4	25.6	25.6
2	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	151.52 X 150.30 X 151.76	22774	8.625	600.9	26.4	
3	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	151.42 X 150.76 X 149.79	22829	8.188	569.2	24.9	

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Authorized Signatory
Technical Manager

Suvitha. N L
AE L10

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 09/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara. Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	149.04 X 150.55 X 151.72	22439	8.562	748.6	33.4	33.0
2	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	150.02 X 149.13 X 149.22	22372	8.282	716.1	32.0	
3	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	150.42 X 151.90 X 150.37	22849	8.997	765.6	33.5	

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Date.....

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 19/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 19/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	149.76 X 150.62 X 151.98	22556	8.731	582.6	25.8	25.7
2	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	150.94 X 151.84 X 149.74	22918	8.239	613.0	26.7	
3	Cement Concrete Pavement	M30	12/03/2022	19/03/2022	150.44 X 151.37 X 151.66	22772	8.321	559.0	24.5	

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Sweetha. N.L
AE L10

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

CIVIL Pro Sig..... Date..... BANGALORE

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 09/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 14-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 09/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	151.21 X 151.94 X 150.05	22975	8.241	779.8	33.9	33.3
2	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	150.37 X 151.17 X 149.52	22731	8.210	744.3	32.7	
3	Cement Concrete Pavement	M30	12/03/2022	09/04/2022	151.54 X 150.43 X 151.28	22797	8.504	757.9	33.2	

* The results obtained are satisfactory as per standard requirements.

Note:

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suvitha. N.L
AE & ID

****End of Report****

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 21/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	150.25 X 150.40 X 149.09	22597	8.389	574.0	25.4	25.4
2	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	150.82 X 151.71 X 149.22	22882	8.451	602.2	26.3	
3	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	150.53 X 149.08 X 149.67	22441	8.666	551.9	24.6	

* The results obtained are satisfactory as per standard requirements.

Note:

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Sunitha. N.K
AE W10

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

End of Report

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 11/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	150.45 X 149.06 X 150.21	22426	8.401	762.1	34.0	33.3
2	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	150.04 X 151.13 X 151.81	22676	8.901	733.5	32.3	
3	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	150.40 X 149.94 X 150.20	22551	8.150	755.1	33.5	

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Sumathi. NK
AE W10

****End of Report****

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 21/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	151.05 X 149.92 X 149.39	22645	8.394	587.5	25.9	25.4
2	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	150.20 X 149.99 X 149.37	22529	8.675	586.4	26.0	
3	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	149.72 X 149.61 X 150.35	22399	8.283	544.3	24.3	

* The results obtained are satisfactory as per standard requirements.

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Authorized Signatory
Technical Manager

Smitha .N.K
AE W10

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 11/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	149.24 X 151.03 X 151.29	22539	8.415	763.8	33.9	33.1
2	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	150.02 X 150.07 X 150.97	22514	8.806	727.4	32.3	
3	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	150.59 X 151.55 X 150.64	22822	8.102	757.2	33.2	

* The results obtained are satisfactory as per standard requirements.

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Technical Manager

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Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 21/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	150.26 X 149.56 X 149.15	22472	8.673	583.2	26.0	25.8
2	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	149.16 X 150.02 X 149.36	22377	8.872	603.5	27.0	
3	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	149.48 X 149.62 X 149.87	22365	8.888	547.5	24.5	

* The results obtained are satisfactory as per standard requirements.

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
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Page 1
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-04-23-24 **Date: 11/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	149.63 X 150.98 X 151.41	22592	8.134	754.8	33.4	33.4
2	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	151.78 X 150.57 X 149.82	22855	8.535	751.9	32.9	
3	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	151.21 X 149.72 X 150.90	22639	8.678	767.0	33.9	

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Authorized Signatory
Technical Manager

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Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-04-23-24 **Date: 21/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 21/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	150.84 X 150.11 X 150.68	22642	8.615	579.4	25.6	25.5
2	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	151.91 X 149.06 X 150.75	22643	8.703	601.2	26.5	
3	Cement Concrete Pavement	M30	14/03/2022	21/03/2022	149.06 X 150.35 X 150.12	22411	8.439	546.1	24.4	

* The results obtained are satisfactory as per standard requirements.

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suvetha .N.R
AE W10

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 11/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 11/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	151.54 X 150.69 X 150.12	22836	8.783	760.2	33.3	33.0
2	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	149.61 X 149.46 X 149.46	22361	8.660	722.1	32.3	
3	Cement Concrete Pavement	M30	14/03/2022	11/04/2022	151.75 X 151.60 X 149.45	23005	8.942	768.2	33.4	

* The results obtained are satisfactory as per standard requirements.

Note:

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Authorized Signatory
Technical Manager

Suresh .N.L
AE W10

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 23/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	150.26 X 150.10 X 149.02	22554	8.134	578.9	25.7	25.5
2	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	149.34 X 151.68 X 151.73	22652	8.906	606.5	26.8	
3	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	149.06 X 150.36 X 151.72	22412	8.668	541.6	24.2	

* The results obtained are satisfactory as per standard requirements.

Note:

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suresh. NL
AE 210

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 13/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	151.00 X 149.09 X 151.36	22512	8.608	751.4	33.4	33.1
2	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	149.87 X 149.59 X 150.70	22418	8.967	726.7	32.4	
3	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	149.17 X 150.56 X 151.90	22460	8.167	750.2	33.4	

* The results obtained are satisfactory as per standard requirements.

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suitable AE&W

ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Page 1 of 1
****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 23/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	151.81 X 150.60 X 150.28	22862	8.922	581.5	25.4	25.4
2	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	150.86 X 150.46 X 151.68	22698	8.856	592.4	26.1	
3	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	151.09 X 150.77 X 151.82	22781	8.622	565.2	24.8	

* The results obtained are satisfactory as per standard requirements.

Note:

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suvitha .N.R
AE W10

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 13/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	151.06 X 149.40 X 150.00	22568	8.782	755.6	33.5	33.1
2	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	149.02 X 149.50 X 150.00	22278	8.383	713.1	32.0	
3	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	151.51 X 149.47 X 150.76	22646	8.147	765.4	33.8	

* The results obtained are satisfactory as per standard requirements.

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suretha. N L
AE N10

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-04-23-24

Date: 23/03/2022

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm^2)	(N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	151.05 X 151.89 X 149.90	22942	8.732	593.2	25.9	25.5
2	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	151.42 X 151.18 X 150.06	22892	9.093	606.4	26.5	
3	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	150.69 X 151.71 X 150.13	22861	8.374	549.1	24.0	

* The results obtained are satisfactory as per standard requirements.

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 13/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	151.97 X 151.67 X 149.02	23048	8.405	763.5	33.1	33.3
2	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	149.34 X 151.82 X 151.15	22673	8.506	745.0	32.9	
3	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	149.57 X 149.94 X 150.10	22426	8.106	761.4	34.0	

* The results obtained are satisfactory as per standard requirements.

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Technical Manager

Smitha .N.K
AGLW

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Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 23/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	150.48 X 150.21 X 149.83	22605	8.113	565.9	25.0	25.2
2	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	151.68 X 151.71 X 150.80	23012	8.690	598.5	26.0	
3	Cement Concrete Pavement	M30	16/03/2022	23/03/2022	150.99 X 151.62 X 151.33	22893	8.448	563.3	24.6	

* The results obtained are satisfactory as per standard requirements.

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R RUDRAPRASAD
Authorized Signatory
Technical Manager

Suresh .N.R
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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub Division

****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 13/04/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 18-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	149.19 X 149.39 X 150.97	22287	9.095	744.6	33.4	33.2
2	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	150.52 X 151.34 X 149.71	22780	8.645	750.6	32.9	
3	Cement Concrete Pavement	M30	16/03/2022	13/04/2022	151.20 X 150.77 X 150.38	22795	9.048	756.9	33.2	

* The results obtained are satisfactory as per standard requirements.

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Authorized Signatory
Technical Manager

Suvitha - NR
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 25/03/2022

Lab ID	:	**CP-2022-04-23-24**
Customer	:	Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.
Address	:	Vidyaranyapura Sub Division, BBMP, Bangalore.
Project Name	:	Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10
Agency	:	Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092
Customer's Reference	:	BBMP/EE/BTP/WO/193/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-03-22
Customer ID	:	Cement Concrete Pavement
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M30 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test	:	25/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	151.08 X 151.94 X 151.94	22956	8.641	583.8	25.4	25.5
2	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	149.05 X 151.51 X 151.46	22582	8.264	600.4	26.6	
3	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	151.49 X 151.08 X 150.48	22886	9.010	560.2	24.5	

* The results obtained are satisfactory as per standard requirements.

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Technical Manager

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ASSISTANT EXECUTIVE ENGINEER
Vidyaranyapura Sub-Division
Bruhath Bengaluru Mahanagara Palike

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24**

Date: 15/04/2022

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	150.87 X 151.26 X 151.89	22820	8.282	759.7	33.3	33.2
2	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	150.25 X 151.43 X 150.11	22752	8.103	744.2	32.7	
3	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	149.26 X 150.52 X 150.80	22466	8.586	756.6	33.7	

* The results obtained are satisfactory as per standard requirements.

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Date.....
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Authorized Signatory
Technical Manager

Sunitha. N.K
AE WD

****End of Report****

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24** **Date: 25/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	151.92 X 149.84 X 150.88	22764	9.016	591.4	26.0	25.7
2	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	150.30 X 150.51 X 150.66	22621	8.793	605.7	26.8	
3	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	149.96 X 149.81 X 150.94	22466	8.667	548.2	24.4	

* The results obtained are satisfactory as per standard requirements.

Note:

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Technical Manager

Suvitha .N.L
AE W10

ASSISTANT EXECUTIVE ENGINEER
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24**

Date: 15/04/2022

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	150.61 X 151.75 X 149.62	22855	8.725	763.5	33.4	33.3
2	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	149.92 X 151.96 X 151.48	22781	8.690	750.9	33.0	
3	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	150.37 X 151.66 X 151.50	22806	8.556	762.7	33.4	

* The results obtained are satisfactory as per standard requirements.

Note:

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Authorized Signatory
Technical Manager

Suvitha .N.L
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ASSISTANT EXECUTIVE ENGINEER
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-04-23-24 **Date: 25/03/2022**

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	149.19 X 149.12 X 150.23	22248	8.466	576.1	25.9	25.5
2	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	150.48 X 149.00 X 151.06	22422	8.245	585.0	26.1	
3	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	149.06 X 151.98 X 149.26	22655	8.637	552.4	24.4	

* The results obtained are satisfactory as per standard requirements.

Note:

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All information furnished by Customer/Representative
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Samples will be disposed after 30 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R RUDRAPRASAD
Authorized Signatory
Technical Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24**

Date: 15/04/2022

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	149.95 X 150.86 X 150.01	22623	9.086	749.8	33.1	33.2
2	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	149.01 X 150.25 X 150.11	22387	8.379	735.8	32.9	
3	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	151.13 X 150.58 X 151.88	22756	8.192	766.4	33.7	

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Technical Manager

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****End of Report****

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24**

Date: 25/03/2022

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

Address : Vidyaranyapura Sub Division, BBMP, Bangalore.

Project Name : Improvements of Drains, roads and covering slab at Doddabommasandra Ward No.10

Agency : Sri. K.B Alankar H.No:12, MSV.Network Road, Near Shop Apartment, Amruthahalli, Sahakaranagara, Post, Bangalore-560092

Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 25/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	150.73 X 151.34 X 151.81	22812	8.429	583.2	25.6	25.6
2	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	149.35 X 151.45 X 151.33	22619	8.729	609.0	26.9	
3	Cement Concrete Pavement	M30	18/03/2022	25/03/2022	150.21 X 151.99 X 151.63	22831	8.220	557.4	24.4	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2022-04-23-24**

Date: 15/04/2022

Customer : Assistant Executive Engineer, Vidyaranyapura Sub Division, BBMP, Bangalore.

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Customer's Reference : BBMP/EE/BTP/WO/193/2020-21

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 21-03-22

Customer ID : Cement Concrete Pavement

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 15/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	149.22 X 149.93 X 149.53	22372	9.029	754.8	33.7	33.2
2	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	151.53 X 150.55 X 150.09	22813	8.390	735.3	32.2	
3	Cement Concrete Pavement	M30	18/03/2022	15/04/2022	150.71 X 151.99 X 151.66	22907	8.933	773.3	33.8	

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End of Report